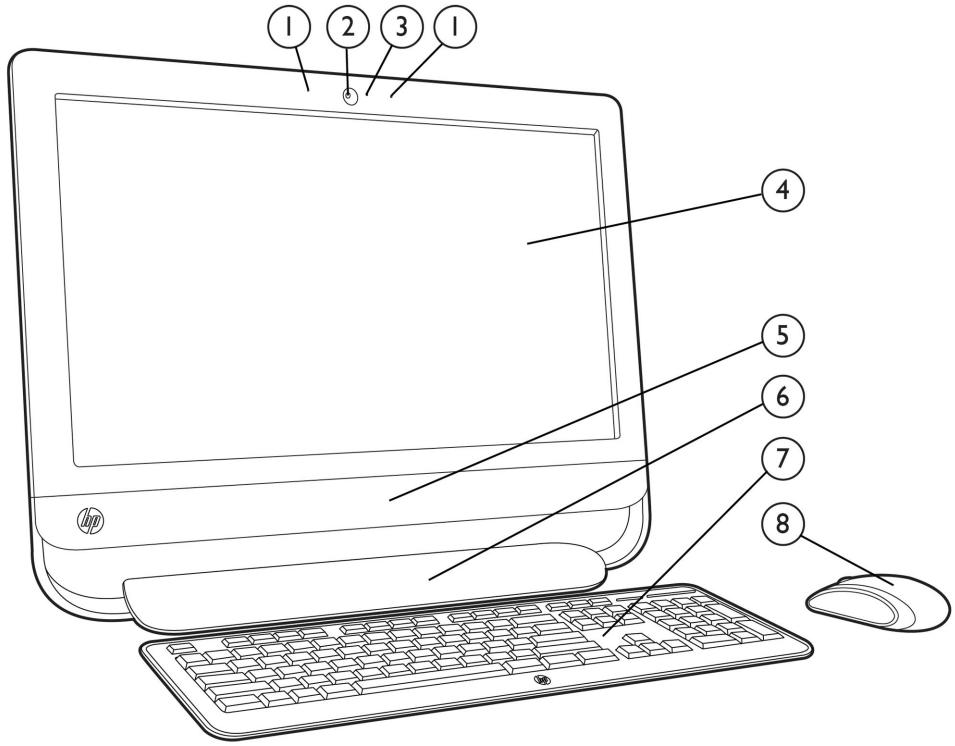
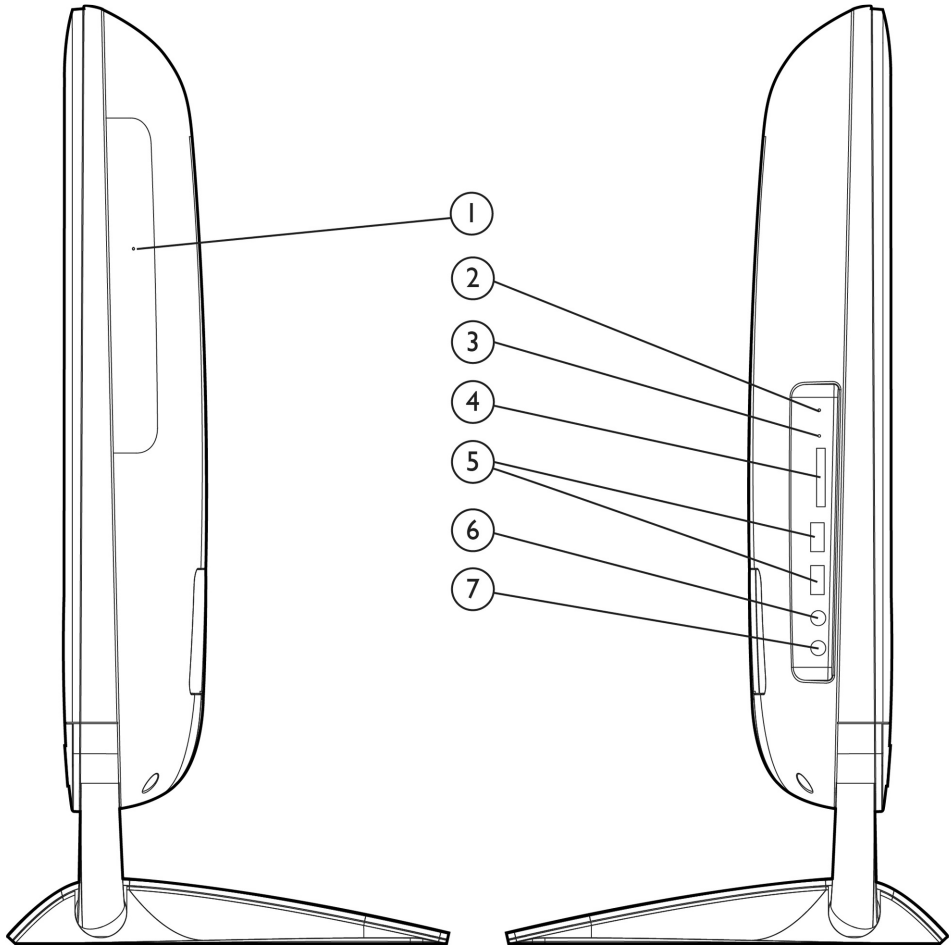
Overview



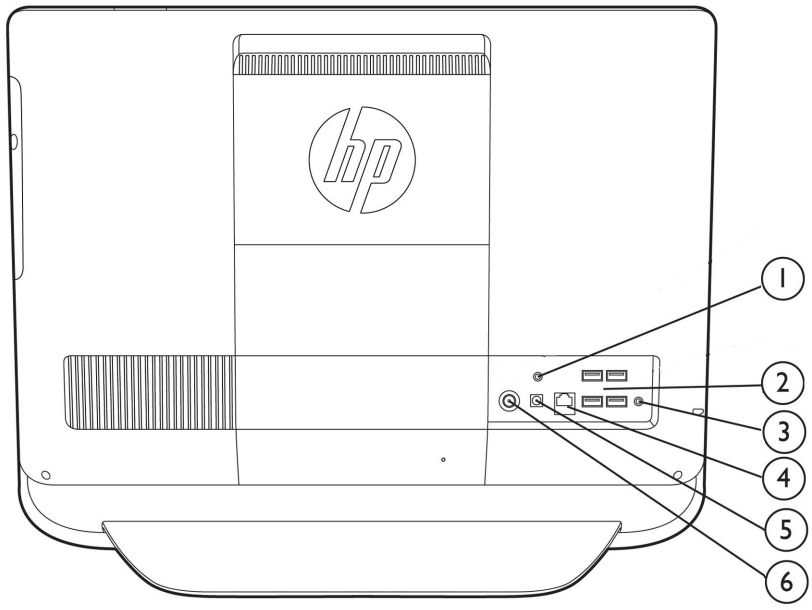
1. Dual microphone array
2. Fixed 2MP HD low-light webcam
3. Webcam LED indicator
4. 21.5-inch touch-enabled diagonal widescreen LED display with Full HD
5. Stereo Speakers
6. Adjustable tilt stand
7. HP Wireless Keyboard
8. HP Wireless Mouse

Overview



1. Optical Disk Drive
2. Hard Disk Drive LED Indicator
3. Media Card Reader LED Indicator
4. 6-in-1 Media Card Reader
5. 2 USB 2.0 ports
6. Microphone port
7. Headphone Port

Overview



1. IR Emitter (Blaster) output
2. 4 USB 2.0 ports
3. Line out
4. RJ-45/Ethernet
5. Power connector
6. TV coax in (requires optional TV Tuner)

At A Glance

- Genuine Windows 7 Professional and Genuine Windows 7 Home Premium
- Intel® 2nd Generation Core™ i7, i5, i3 and Intel Pentium Processors
- 21.5-inch touch-enabled diagonal widescreen LED display with Full HD (1080p)
- Integrated All-in-One form factor
- Adjustable tilt stand
- Chassis is tiltable from 0 degrees (full vertical, no forward lean) to 30 degrees backward
- Integrated VESA-compliant mounting hole pattern of 100mm x 100mm for attaching the All-in-One system directly to a wall mount or articulating arm
- Intel H61Chipset
- Integrated Intel HD Graphics
- Realtek RTL 8111E GbE Ethernet Controller (10/100/1000 NIC)
- Fixed 2MP HD low-light webcam; stereo speakers
- HD Audio, Beats Audio enabled through Stereo Speakers and Headphone port
- Optional TV Tuner
- Wireless connectivity:
  - HP Wireless NIC 802.11b/g/n Mini Card (2x2)
- Up to 8GB of DDR3 SDRAM supported, dual channel memory support
- Up to 1 TB hard drive
- Slim Tray Blu-ray Combo Drive (optional on some skus) or Slim Tray Super Multi Drive

Overview

- 6-in-1 Media Card Reader
- Available input devices include: USB Keyboard and Mouse, Wireless Keyboard and Mouse
- ENERGY STAR® (for Windows OS only)
- EPEAT Silver certification*
- BFR/CFR/PVC-free** (except for keyboard, mouse, power supply and cord)
- Protected by HP Services. Terms and conditions vary by country. Certain restrictions and exclusions apply.

* Where HP registers commercial desktop products. See http://www.epeat.net for registration status in your country.
** Meeting the industry definition of 'BFR/PVC-free' per the iNEMI Position Statement on "Low Halogen" Electronics. Plastic parts incorporated into the chassis generally contain < 1000 ppm (0.1%) of bromine or chlorine. Printed circuit board and substrate laminates generally contain < 1500 ppm (0.15%) of total bromine and chlorine. Service parts after purchase may not be BFR/PVC-free. External accessories, including power supplies, power cords, and peripherals are not BFR/PVC-free.

Standard Features

Processors (Availability depends on model; list is subject to change)	Intel Core i3 Processors: Intel Core i3-2100 Processor (3.1 GHz, 3 MB cache, 2C/4T), Intel HD Graphics 2000 Intel Core i3-2105 Processor (3.1 GHz, 3 MB cache, 2C/4T), Intel HD Graphics 3000 Intel Core i3-2120 Processor (3.3 GHz, 3 MB cache, 2C/4T), Intel HD Graphics 2000 Intel Core i3-2130 Processor (3.4 GHz, 3 MB cache, 2C/4T), Intel HD Graphics 2000 Intel Core i5 Processors: Intel Core i5-2400S Processor (2.5 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.3 GHz with Intel Turbo Boost Technology Intel HD Graphics 2000 Intel Core i5-2405S Processor (2.5 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.3 GHz with Intel Turbo Boost Technology Intel HD Graphics 3000 Intel Core i5-2500S Processor (2.7 GHz, 6 MB cache, 4C/4T, Turbo) Up to 3.7 GHz with Intel Turbo Boost Technology Intel HD Graphics 2000 Intel Core i7 Processors: Intel Core i7-2600S Processor (2.8 GHz, 8 cache, 4C/8T, Turbo) Up to 3.8 GHz with Intel Turbo Boost Technology Intel HD Graphics 2000 Intel Pentium: Intel Pentium G620 Processor (2.6 GHz, 3 MB L3 cache), Intel HD Graphics Intel Pentium G630 Processor (2.7 GHz, 3 MB L3 cache), Intel HD Graphics Intel Pentium G840 Processor (2.8 GHz, 3 MB L3 cache), Intel HD Graphics Intel Pentium G850 Processor (2.9 GHz, 3 MB L3 cache), Intel HD Graphics Intel Pentium G860 Processor (3.0 GHz, 3 MB L3 cache), Intel HD Graphics NOTE: Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families.
Operating System	Preinstalled: Genuine Windows 7 Professional (64-bit)* Genuine Windows 7 Professional (32-bit) Genuine Windows 7 Home Premium (64-bit)* * System may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See: http://www.microsoft.com/windows/windows-7/ for details.
Chipset	Intel H61
Graphics Integrated	Integrated Intel HD Graphics 2000/3000 or Integrated Intel HD Graphics. Models with Intel Core i3/i5/i7 processors include HD 2000 or HD 3000 graphics. Models with Pentium processors include HD graphics. Please see specific processors for graphics configuration.

Standard Features

Display	21.5-inch diagonal widescreen Full HD (1080p) WLED display	
	Maximum Resolution	1920 x 1080 resolution (16:9)
	Contrast ratio	1000:1 typical
	Image brightness	250 nits typical
	Response time	5ms
	Viewing angle (typical)	Up to 170° horizontal/160° vertical
Tiltability of Chassis	0 degrees (full vertical, no forward lean) to 30 degrees backward	
Adjustable Tilt Stand	Tilt adjustments	
Memory	**Standard**	PC3-10600 DDR3 1333-MHz non-ECC SDRAM Two 200-pin SODIMM slots supporting dual channel memory 2 GB (1 x 2 GB) 4 GB (1 x 4 GB) 4 GB (2 x 2 GB) 6 GB (1 x 2 GB + 1 x 4 GB) 8 GB (2 x 4 GB)
	Dual-channel	Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.
	NOTE: Full availability of 4 GB or more of memory requires a 64-bit operating system. With Windows 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.	
Communications	Integrated Realtek RTL8171EH GbE Ethernet Controller (10/100/1000 NIC)*	
	HP Wireless NIC 802.11b/g/n Mini Card (2x2)	Support for 802.11 b, g, and n Up to 300 mbps data rate Built-in antennas (2 transmit, 2 receive)
	* The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.	
IO Devices	**HP USB Keyboard**	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Cable length 51 in (130 cm)
	HP USB Standard Value Keyboard	104, 105, 106, 107, or 109 key layout (depending upon country). Cable length 59 in (150 cm)
	HP USB Optical Scroll Mouse	Two buttons with scroll wheel acting as third button. Cable length 69 in (175 cm)
	HP Wireless Keyboard and Mouse	104 keys plus special keys for Mute, Volume Up, Volume Down. Separate numeric keypad. Two buttons with scroll wheel acting as third button.

Standard Features

Storage	Hard Drive	3.5-inch, 7200 rpm, 6.0 Gb/s SATA Hard Drive: 250 GB 500 GB 750 GB 1 TB
	Slim Optical Drive	Slim Tray Blu-ray Combo Drive Read: 8x max DVD-ROM, 24x max CD-ROM Write: 8x max DVD±R, 6x max DVD±R DL, 8x max DVD+RW, 6x max DVD-RW, 5x max DVD-RAM, 24x max CD-R, 24x max CD-RW Slim Tray Super Multi Drive
I/O Slots	Half Height Mini PCIe x1	One (Wireless LAN module)
	Full Height Mini PCIe x1	One (optional TV Tuner module)
Interfaces	6-in-1 Media Card Reader	Supports Secure Digital (SD, SDHC), MultiMedia Card (MMC), xD-Picture Card, Memory Stick, Memory Stick Pro
	USB 2.0	Four (rear)
	USB 3.0	Two (side)
	Stereo audio headphone jack	One
	Stereo audio line out	One
	Coaxial Cables for Tuner	One
	IR Blaster	One
	Power connector	One
	RJ-45/Ethernet	One
Audio/Visual	Integrated IDT 92HD91 Audio (Beats Audio) Integrated high-performance stereo speakers Volume control and mute buttons (on keyboard on select skus) Stereo headphone jack Stereo line out Integrated 2 MP HD (1080p), low-light webcam with two built-in microphones TV Tuners (configurable): DVB-T+PAL (HW encode), ATSC+NTSC (HW encode), PAL/DMB-T	

Standard Features

Software	Preinstalled software (varies by country)	Microsoft Office 2010 Starter Preloaded (purchase of a Product Key required to activate a full Office 2010 suite)* Microsoft Windows Virtual PC - XP Mozilla Firefox for HP Virtual Solutions 2011 Cyberlink PowerDVD Cyberlink Label Print Cyberlink Power 2 Go CyberLink Power Starter CyberLink Power Director PDF Complete Special Edition HP SimplePass PE 2011 Norton Internet Security 2011 (60 day)* HP Power Assistant HP Recovery Manager HP Vision Hardware Diagnostics HP Support Assistant (HPSA) Authentec SimplePass PE (to support Intel One Time Password)**
	Additional software available on optical disk	HP MyRooms (up to 3 people per meeting)
	Optional software (varies by country)	Credential Manager for HP ProtectTools HP ProtectTools Security Suite for SMB

* 60 day trial period for Norton Internet Security. Internet access required to receive updates. First update included. Subscription required for updates thereafter.
** Available on Intel Core i3, i5, and i7 cpus (not on Pentium or Celeron)

SMBIOS	System Management BIOS, previously known as DMI BIOS, is used to store system management information.
Security	Lock slot Optional HP ProtectTools Security Software Suite Optional HP Credential Manager
Power Supply	External 87% efficient, 150W power supply

Standard Features

Service and Support	On-site Warranty[Note 1] Three 3-3-3- parts onsite limited warranty delivers three year of on-site, next business-day[Note 2] service for parts and labor and includes free telephone support[Note 3] 24 x 7. Global coverage[Note 2] ensures that any product purchased in one country and transferred to another non-restricted country will remain fully covered under the original warranty and service offering. One-year onsite and labor are not available in all countries. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack. NOTE 1: Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region. NOTE 2: On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country. NOTE 3: Technical telephone support applies only to HP-configured Compaq and third-party HP-qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.

Technical Specifications - System

System Unit	Dimensions (WxDxH)	21.64 x 8.09 x 17.22 in (including stand) 54.97 x 20.54 x 43.75 cm (including stand) 21.64 x 2.59 x 14.81 in (without stand) 54.97 x 6.57 x 37.61 cm (without stand)	
	Weight	23.35 lbs (10.59 kg) (UMA) 23.92 lbs (10.85 kg) (MXM)	
	Packaging Dimensions (WxDxH)	24.68 x 9.92 x 19.76 in 62.7 x 25.2 x 50.2 cm	
	Shipping Weight	28.79 lbs (13.06 kg)	
	Stand-Alone Power Requirements	Electrical Ratings	100-240 V, 50/60 Hz, 2.0 A
		Idle Operating Power	Integrated graphics: 30W
		Max Operating Power	<150W for systems with UMA graphics cards
	Temperature	Operating	41° to 95° F (5° to 35° C)
		Non-operating	-22° to 149° F (-30° to 65° C)
	Relative Humidity	Operating	15% to 80% @ 26° C
	Altitude (unpressurized)	Operating	0 to 6,562 ft (0 to 2000 m)
		Non-operating	0 to 15,000 ft (0 to 4,572 m)
	Industry Standard Certifications	UL	Yes
		CSA	Yes
		FCC Compliance	Yes
		ENERGY STAR®	Yes (for Windows OS only)
		EPEAT	Silver* (for Windows OS only)
	Environmental	BFR/CFR/PVC-free	Yes (*External accessories, including power supplies, power cords, and peripherals are not BFR/PVC-free.*)
		Arsenic free display glass	Yes
		Leakage current meets NFPA99	Yes
		TAA Compliant	Yes

For accessibility information on HP products, please visit: http://www.hp.com/accessibility.
* Where HP registers commercial desktop products. See http://www.epeat.net for registration status in your country.

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